



**baja designs**<sup>®</sup>  
THE SCIENTISTS OF LIGHTING

## 2022-On Toyota Tundra Reverse Kit (44-8082)

\*Not compatible with vehicles lacking the factory tow package\*



2950 Norman Strasse • San Marcos • CA • 92069

Phone 760-560-2252 X3 • Fax 760-560-0383

info@bajadesigns.com • [www.bajadesigns.com](http://www.bajadesigns.com)



***baja designs***<sup>®</sup>  
THE SCIENTISTS OF LIGHTING

## LIMITED LIFETIME WARRANTY

Baja Designs proudly offers a LIFETIME WARRANTY against manufacturer's defect on all the products that we manufacture.

These are comprehensive warranties; other than the exclusions below – you're covered. If your LED or HID bulb burns out, you're covered. Additionally, cutting off our connector or changing your lenses does not automatically void your warranty.

### **Exclusions:**

Installation errors, abuse, misuse or crash damage. You must be the original owner of the product and can supply proof of purchase.

Baja Designs manufactures its own products as well as resells products manufactured by others. Baja Designs makes no express or implied warranties on products not manufactured by Baja Designs including without limitation any warranties or merchantability and fitness for a purpose. We will, however, pass on all warranties made by the manufacturer, who has sole responsibility for performing such warranties.

Baja Designs will pay the freight if your product is less than 90 days old, otherwise defective products must be returned to Baja Designs, Inc., freight prepaid. At our option, we will repair or replace items in question and return them at no charge. If the identical product is no longer available, we will replace with a similar product of equal value. Baja Designs Inc. will not be responsible for any indirect or consequential damages in connection with defective merchandise.

Items purchased through a Baja Designs authorized dealer must be returned through the dealer. Only available on LED auxiliary lights and product must be in sellable condition at MSRP. Product that has been damaged in any way after the original purchase date will be excluded from this guarantee.

### **Indemnification:**

**Buyer hereby acknowledges off-roading, racing and driving at night are dangerous activities and that the products and/or supplies purchased from Baja Designs are used in an inherently dangerous activity that may endanger life and limb; and in no event shall the seller, or seller's heirs and assigns, be held liable for consequential damages, nor shall seller's liability on any claim for damages arising out of or connected with the sale, delivery, or use of purchased products and/or supplies exceed the purchase price of the products and/or supplies.**

**Buyer is responsible for ensuring that it uses the products (and its vehicle) in accordance with all applicable laws, regulations, guidelines, and standards of care. Buyer acknowledges that some products may only be used when off-roading, and Buyer will comply with all vehicle and road safety guidelines. Buyer is solely responsible for (and will indemnify and hold Bestop harmless for) any claims, losses, damages, fines, fees, costs, or other amounts arising out of Buyer's non-compliance with these provisions.**

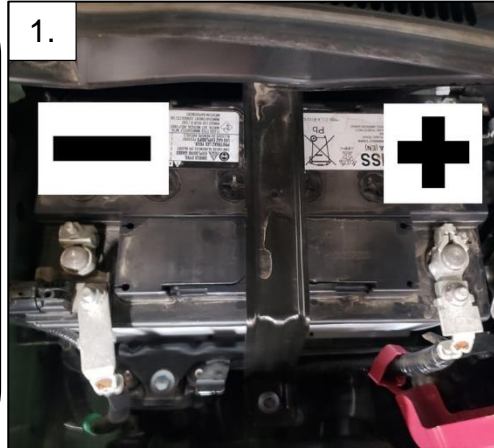
## **Tools Required**

\* 4mm Allen wrench      \*9/16", 12mm wrench      \*9/16" socket      \*Pliers      \*3/4" drill bit and drill

**To begin, make sure the vehicle is in park, on level ground and the parking brake is engaged.**

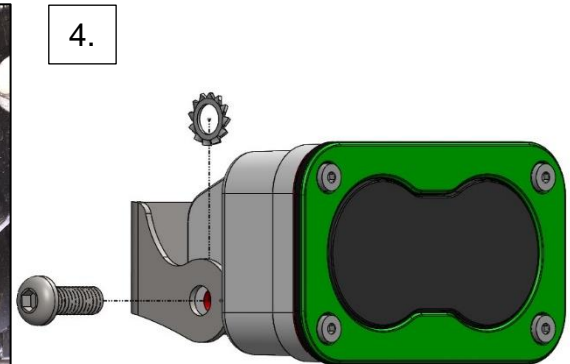
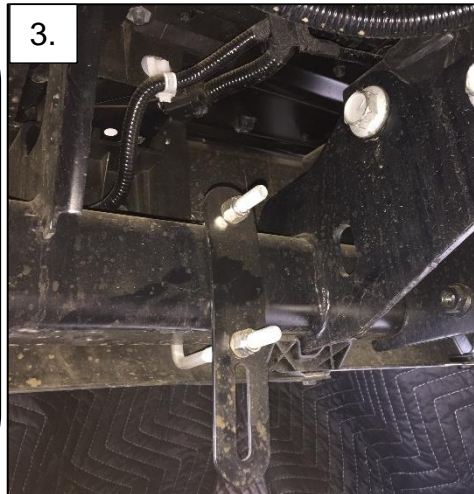
1. Open the hood and remove the negative battery cable using a 12mm wrench. On hybrid models the battery is located under the driver side rear seat.

2. Slide a square U-bolt between the tow hitch crossmember and rear bumper and rotate it so the threads face the front of the vehicle.



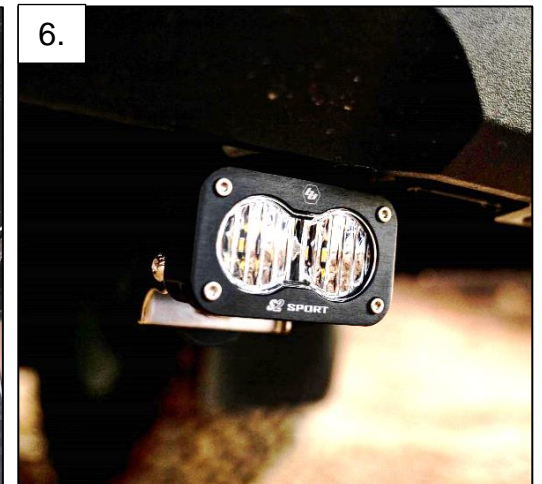
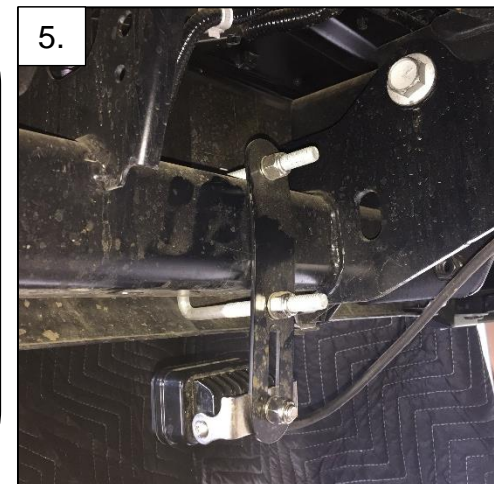
3. Slide the included reverse bracket with the long slot facing downward onto the U-bolt. Secure using the included washers and 9/16" nyloc nuts.

4. With a 4mm Allen wrench, assemble an S2 using the bracket and hardware included in the parts bag. Insert the 9/16" hex head bolt before attaching the bracket. Ensure the mounting hole is near the center of the light and the bracket base is parallel with the light's lens.



5. Using a 9/16" wrench and socket, attach the S2 to the reverse bracket mounted to the truck. Ensure the light is facing rearward and parallel to the rear bumper.

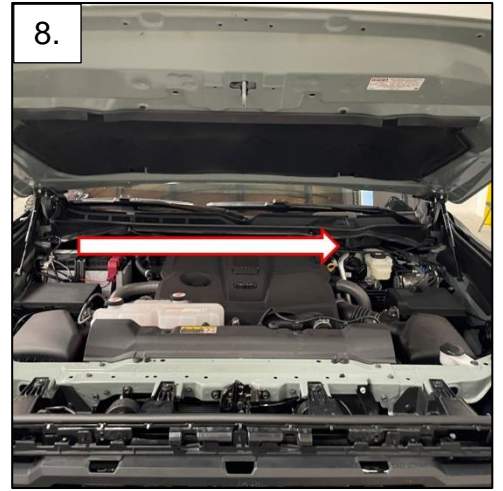
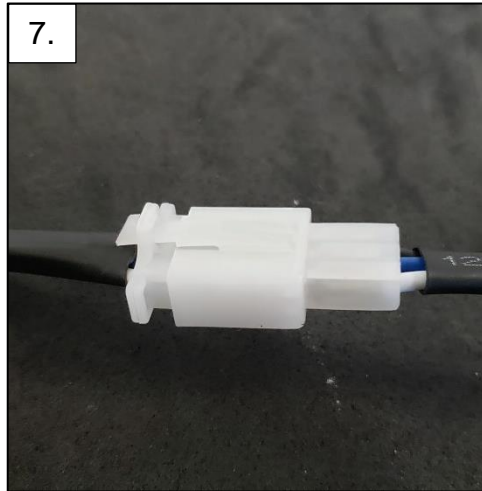
6. Repeat steps 2-5 on the passenger side of the vehicle.





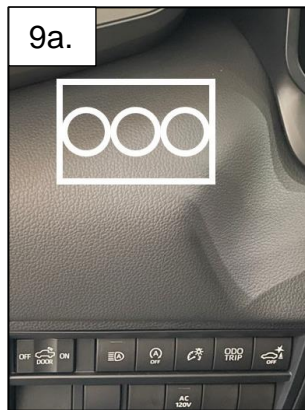
7. Locate the main wiring harness and trigger harness located in the kit. Find the white switch lead connector on the main harness and disconnect it. The switch portion of the harness can be discarded. Plug in the trigger harness to the main harness in place of the original switch.

8. Run the trigger harness switch from the battery to the wire passthrough on the firewall on the right of the brake master cylinder.



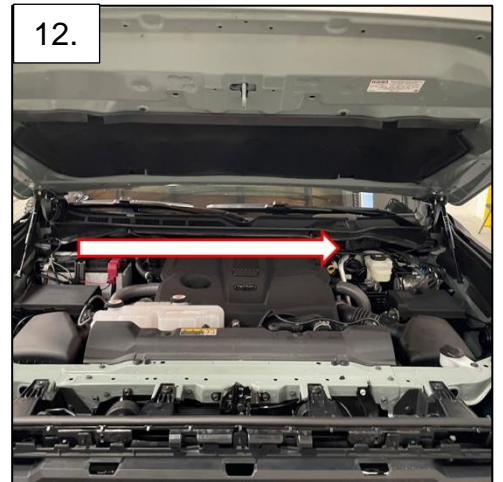
9. Select a location on the dash for the switch. Suggested location are outlined in photo 9a. Check for clearance behind the panel and drill a 3/4" hole for the switch. To access behind this panel, remove the dash endcap by carefully prying from the bottom of the panel as illustrated in photo 9b.

10. Take a reference photo of the switch wiring and disconnect the switch. Run the switch wires through the firewall and switch hole. Plug the switch back in and install it into the hole.



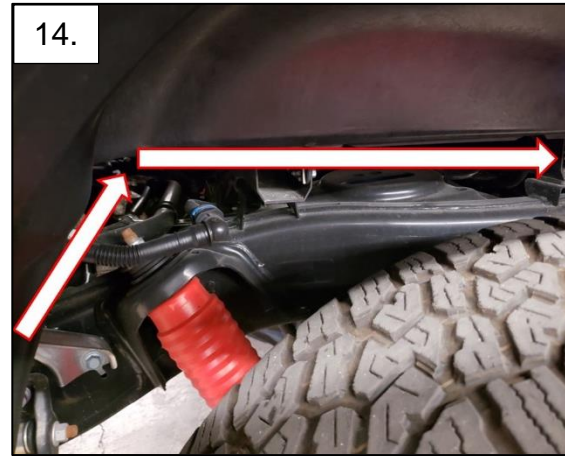
11. Take one of the 2-pin light leads and secure it into service loop. Secure it in a safe location under the hood as it will not be used.

12. Run the second 2-pin light lead across the firewall to the driver side of the vehicle and underneath the cab.



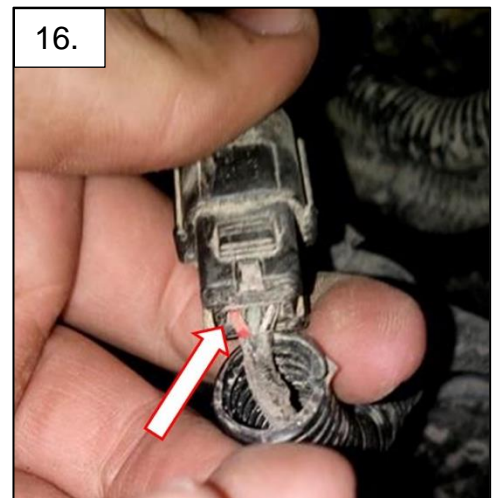
13. Locate the included 2-pin 10' extension harness and attach it to the main harness. Run the 2-pin harness extension lead and the yellow trigger wire down the driver side frame rail towards the rear of the vehicle. Remove the splice connector from the trigger wire and add the included 12' trigger wire extension to the end of the trigger harness trigger wire and reattach the splice connector.

14. Route both wires above the rear axle along the frame ensuring they do not interfere with suspension or exhaust components.



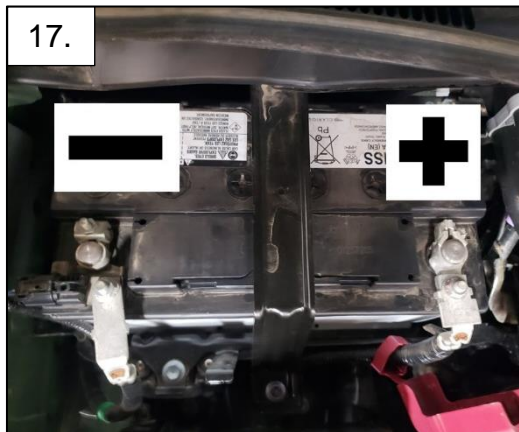
15. Locate the included 55" 2-pin splitter harness and attach it to the 2-pin extension harness. Plug in the shorter lead of the splitter harness to the driver side light and the longer lead to the passenger side light.

16. Locate the driver side reverse light connector towards the center of the vehicle on the back of the rear bumper. Access the red wire located on the left side of the connector and, using pliers, secure the splice connector around the red wire.



17. Using a 12mm wrench, remove the negative battery cable. Connect the positive ring terminal to the positive battery wire. Repeat for the negative ring terminal to the negative battery wire and reconnect the negative cable.

18. Test for functionality of the light by ensuring they are off when in position 0, triggered by shifting into reverse in a second position and turn on when in the third position. (If desired, the switch can be replaced by the included jumper connector to make the light only function when in reverse.)

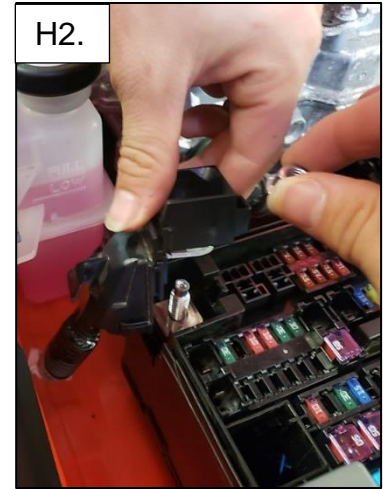
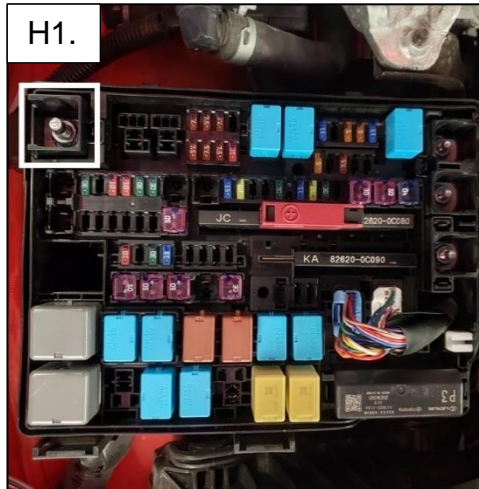




## For hybrid vehicles only

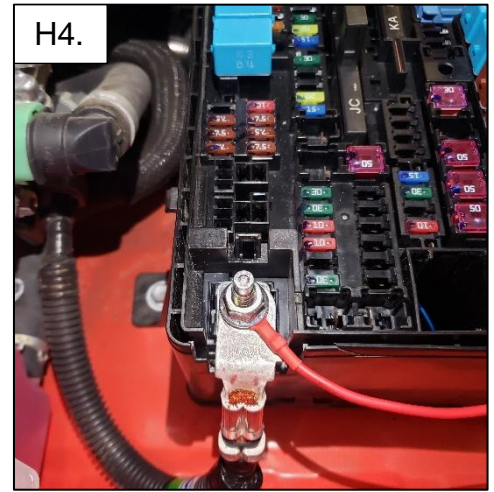
H1. Remove the passenger side fuse panel cover and locate the positive battery wire and post (boxed).

H2. Using a 12mm socket, remove the nut holding down the wire and release the tab to the right of the post. Lift to remove the wire and plastic wire cover.

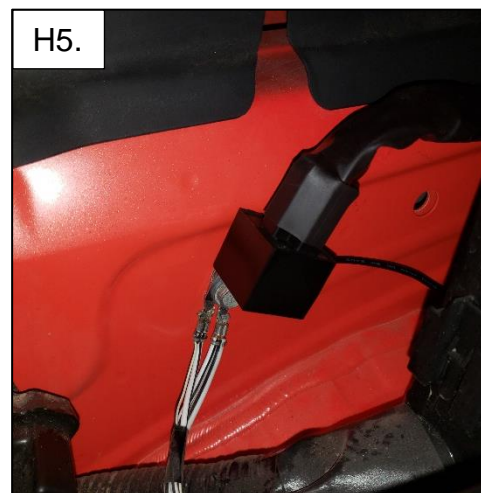


H3. Twist to pull apart the top of the plastic cable cover until it resembles photo H3. Using a flat head screwdriver, release the 2 tabs on the bottom of the plastic wire cover until the two halves separate and remove them from the wire. Discard the piece that the wire terminal runs through.

H4. Replace the battery cable and install the positive (red) ring terminal of the main wiring harness onto the post. Replace the upper battery cable cover and reinstall the 12mm nut and replace the fuse box cover.



H5. Using a 10mm socket, remove the common ground bolt that the main harness relay is secured to and install the negative (black) ring terminal. Replace the ground bolt. Plug the S8 into the wiring harness and test the light.



\*Tie all wires away from sharp, hot, and/or rotating components.

\* Re-torque all the fasteners after 100 miles.

\*Your install is now complete! Thank you for choosing Baja Designs.